

Kuratachi

December 27, 1956

Dear Dr. & Mrs. Lederberg:

Please excuse my slow correspondence.

First of all, I would like to express my gratitude for your kind suggestions and corrections made for my manuscript on Galactose metabolizing enzymes of *E. coli*.

Since I have done the analysis of enzyme on the strains which I brought from Woods Hole, I have been involved in a different problem: that is, the inhibition of growth of *E. coli* by galactose or possibly galactose-1-phosphate. I did not have a chance to analyze the enzymes of new mutants which you kindly sent me yet. I also did not have time to accumulate enough cases to say the level of enzymes quantitatively. Now we are in the process of moving from one floor to the other and I don't expect to be able to settle down for a while. But I still keep those quantitative analysis of enzymes in my mind — hope to be able to do before too long.

As to the inhibition of growth of *E. coli* by galactose, I can say at least ~~now~~ that transferaseless mutants accumulate CDP-1-P when they are grown in galactose complete media and that they grow much slowly when they are inoculated into glucose synthetic media to which galactose also was added, compared to the growth in glucose synthetic media without addition of galactose.

This work is being carried out with Albert Wahba & we are trying to find out the real factor which is inhibiting growth.

Whenever I have obtained more data, I shall write to you.

If you kindly send me the reprints of your recent article in Genetics, I shall appreciate it very much.

yours very sincerely,

Kiyoshi Kurahashi

Will you please give my regards to Dr. Iino.
I am sorry I could not see him at Washington.